

The Future

Mobile

- ★ Ability to move from room to room
- ★ Easily controlled by the patient

Multiple Applications

- ★ Used in all departments of the hospital
 - ER
 - Sickle Cell and Asthma clinics
 - Surgery
 - In-patient areas

Remote Access

- ★ Access to modules from home
- ★ Internet access that allows families to review information before and after a procedure



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The Pediatric Center of the Future



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**I See! System
I.S.E.E**

- ★ *Informs*
- ★ *Sets Expectations*
- ★ *Educates*
- ★ *Eases Anxiety*

**Making Healthcare
Information
Accessible, Fun &
Interactive!**



The Problem

Patients and families have limited access to the healthcare information they need. Children are often scared and anxious about undergoing medical procedures causing:

- ★ **Confusion**
- ★ **Frustration**
- ★ **Anxiety**

Child Life Specialists and kid-friendly materials are not always available. Therefore, hospitals lack the special and critical resources they need to create a patient-centered environment.

Creating effective information tools can be difficult. Limited healthcare literacy and stress affects people's ability to read, understand, and act on health related information.

- ★ Average U.S. adult reads at an 8th grade reading level.
- ★ 20% of Americans read below a 5th grade reading level, & 5% cannot read at all.
- ★ Average Medicaid, Spanish-speaking reading level is 3rd grade.

The pediatric healthcare system needs fun, interactive, and age-specific tools to help prepare children for the best outcomes.

The Solution I See! System

The goal of the I.S.S.E system is to provide the information that patients and families need in a fun and effective way.

This system is a mobile, touch-screen computer. It overcomes healthcare communication barriers because it is:

- ★ **Adaptable to All Ages**
- ★ **Multi-Lingual**
- ★ **Interactive**
- ★ **Audio-Visual**
- ★ **Multi-Sensory**
- ★ **Procedural**

The I.S.E.E system was developed in collaboration with Child Life Specialists. Evidence shows that proper pediatric preparation can have positive results.

- ★ Preparation in pediatrics is a proven technique that significantly reduces stress and anxiety for the child.
- ★ Preparation can eliminate the discrepancy between what the child imagines and what is real.
- ★ Studies show that pediatric preparation can reduce pre-hospital upset and increase the incidence of post-hospital benefits.

Welcome to Radiology

We have developed an I.S.E.E. module for the Radiology Department with a focus on CT Scans for children ages 3-6. All tools are in English and Spanish.

Introduction Video

A Child Life Specialist explains the CT exam in age-appropriate language & shows real pictures of the exam.

Interactive Games

- ★ **“Who’s Who?”** – touch any person on hear who they are & what they do.
- ★ **“What is a CT Machine?”** –touch different components in the CT room to find out what it is and what it does.
- ★ **“Let’s Perform a CT Exam!”** –touch buttons to perform a CT exam to see, hear, and learn the process.



Key Words

Explains common words used during the procedure with pictures and text. Everything is at or below an 8th grade reading level.

Parent’s Place

Provides information regarding the WHO, WHAT, WHEN, WHERE, and WHY for the procedure.